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## PATENT SPECIFICATION

Convention Data (Japan): May 14, 1929.

360,401

Application Date (In United Kingdom): May 2, 1930. No. 19,628 / 30.

Complete not Accepted.

### COMPLETE SPECIFICATION.



#### A Piano Sounding Board.

I, KOICHI KAWAI, a Japanese subject, of 207—2, Terashima, Hamamatsu City, Japan, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The present invention relates to a piano sounding board which is secured by means of an edge piece provided on its outer side to the frame of cast iron having a projection opposite to the inner periphery of said sounding board tightening up said edge piece to the frame with plurality of screws passing through the intervening sounding board and set along and at a proper distance from the inner side of said projection. The object of the invention is to provide an effective means for adjusting with ease the local resistance of the sounding board when desired as well as for improving the resonance thereof.

A practical example for the application of the invention will now be fully explained in reference to the accompanying drawings, in which Fig. 1 shows a front view of the sounding board, Fig. 2 a cross section on line A—B of Fig. 1 and Fig. 3 a partial cross section of same on an enlarged scale.

The frame (1) is provided with a projection (3) on its outer side in a position just opposite to the inner periphery of the sounding board (2). A series of holes corresponding in position are arranged in the frame along and at a proper distance from the inner side of said projection and also in the sounding board along its periphery for receiving the screws (6). In order to secure the sounding board (2) to the frame (1) the former is laid on the projection of the latter correlatively and the edge piece (5) is placed on the periphery of the outer side of said sounding board (2) and tightened by a number of screws (6), holding thus the sounding

board in position. (7) is a bridge, (8) strings and (10) the support.

Up to the present it has been usual to fix directly the sounding board to the wooden frame. The disadvantage of such practice consists in the fact that it was hardly possible to repair when the sounding board cannot make resonance owing to the loss of its resistance and it was absolutely impossible to make local adjustment of the resistance of the sounding board.

In the present invention such objection has been completely removed. The portion (4) of the sounding board (2) will be pressed inwards when the screws (6) are tightened up, in other words, the sounding board (2) will jut out towards the strings (8) against the projection (3) serving as a fulcrum so as to resonate perfectly. Further advantage of this invention is in the feature that the resistance of the sounding board may be locally adjusted when required by tightening up any of the screws (6).

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

A piano sounding board characterised by the feature that the sounding board is secured in position by means of an edge piece provided on its outer side to the frame of cast iron having a projection opposite to the inner periphery of said sounding board by tightening up said edge piece to the frame with a plurality of screws passing through the intervening sounding board and set along and at a proper distance from the inner side of said projection.

Dated the 2nd day of May, 1930.

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Fig- 1-

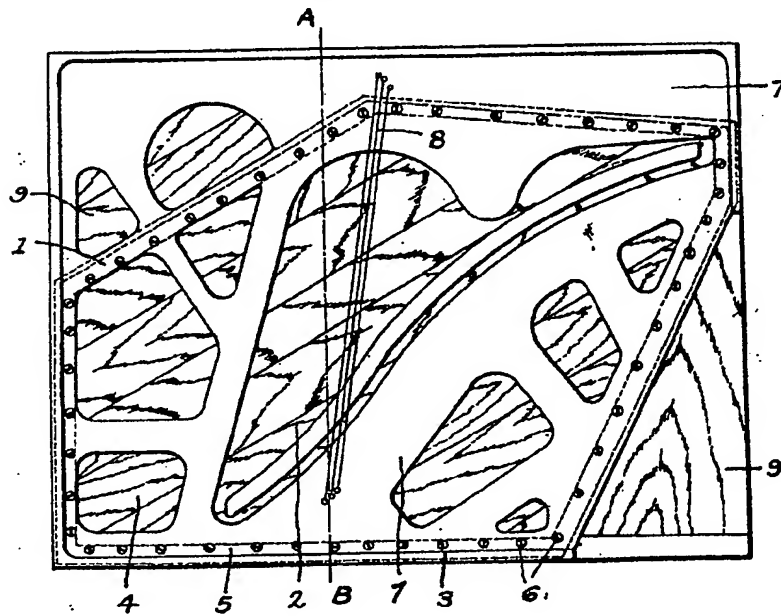


Fig- 2-

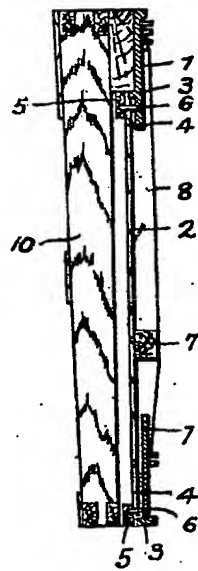


Fig- 3-

